



Cat. No. 052-829

MicroQuik

Rapid Identification of E.Coli and Total Coliforms

The MicroQuik test is intended for the rapid identification of *E.Coli & Total Coliforms* from a first growth culture plate.

PRINCIPLES:

MicroQuik utilizes a fluorogenic substrate which, when hydrolyzed by a specific enzyme (during peptide hydrolysis), produces a blue/white fluorescence.

PERFORMANCE CHARACTERISTICS:

Over 300 isolates were tested with the MicroQuik test card, with a correlation of greater than 99%, when compared to traditional biochemical testing.

CONTENTS OF THE KIT:

Each kit contains sufficient components for 25 tests:

1 Bottle of Reagent A (Buffer)
25 MicroQuik Test Cards
1 Product Insert

MATERIALS NOT PROVIDED:

Swabs, inoculating needles, wooden applicator sticks
Positive and Negative Control Microorganisms
Long wave (360nm) UV light

WARNINGS AND PRECAUTIONS:

Care should be taken against the hazards of viable bacteria. Do not touch the filter membrane before, or after use. Sterilize cards before discarding. Avoid eye, skin, and clothing contact with the color developer.

EVIDENCE OF DETERIORATION:

Do not use the test card after the expiration date has passed, or if the filter is no longer white, which could make the results invalid.

STORAGE CONDITIONS \mathcal{X}

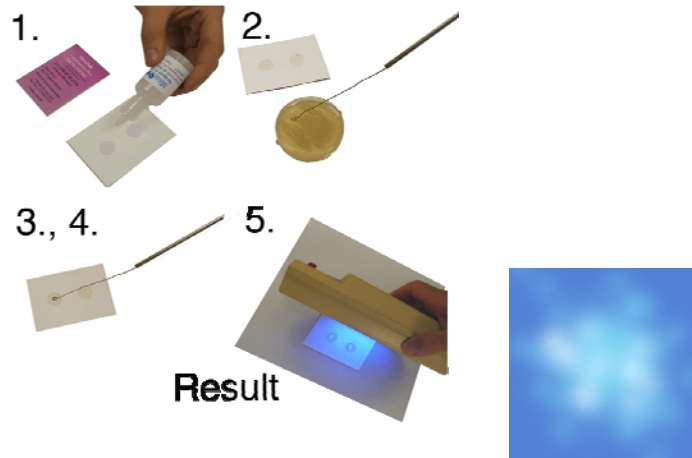
All materials can be stored at room temperature. Refrigeration storage does not harm the test.

USER QUALITY CONTROL:

Before using the MicroQuik test, each lot number should be checked with positive and negative controls, using known stock strains of *Coliforms and E.Coli*, and another strain that is not *Coliforms and E.Coli*.

TESTING PROCEDURES:

1. Add 1 drop of Reagent A to both of the filter membrane circles.
2. Select colonies that morphologically resemble *E.Coli* and *Total Coliforms*.
3. Touch the tops of 1-2 colonies with a loop, inoculating needle, swab, or wooden applicator. Smear the colonies onto the filter membrane circle #1 of the test card. Repeat the procedure with second circle.
4. Set aside the inoculated card at room temperature for 5 minutes.
5. After 5 minutes, look at the test card under a long wave (360nm) UV light. A positive test is indicated by a blue/white fluorescence over a darker blue background around the smeared colonies in both test circles. A test is negative if no blue/white fluorescence appears in the test circles. A positive test indicates the presence of Coliforms and/or E.Coli.



LIMITATIONS OF THE TEST:

Occasionally some species of other microorganisms *may* produce small amounts of enzyme, which can produce a positive test from culture. This is extremely rare.

***Technical Alert for Quality Control:* MicroQuik detects bacterial enzymes, which may dissolve in liquids. Serial dilutions of bacteria may not give a positive reaction. Therefore, all confirmation testing must be done with plated colonies.**



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